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Fig. 1 shows the ground plan and elevation of risers, the pitch lines and development of tangents for face mould; the upper and lower pitch being the same, only one face mould is required. The mould is simply reversed in application, as shown by Figs. 2 and 3.

Further explanation would be unnecessary here. Careful study of the plate, and occasional reference to last year's plates in the *AMERICAN BUILDER*, is all that is necessary to enable the student to thoroughly understand it.

(To be Continued.)

[In compliance with a request made by a number of our subscribers, we have transferred these valuable articles to the *WOOD-WORKER*, in which paper the series will be continued until completed.—Ed.]

### Correspondence.

We invite communications from our readers in matters connected with the trades we represent. Be brief, courteous, and to the point.

#### *Editor of Wood-Worker :*

I AM very much pleased with the *WOOD-WORKER*, and so are all my friends that have seen it; the last number was particularly good and rich. The papers on Carpentry and Handrailing are very valuable to me, and I suppose to others as well.

I would like to say a word to "Newark" and a "Subscriber from Mississippi" concerning their guess cutting. We have plenty of guess wood-butchers in Wisconsin, and a sorry lot they are. The trades would have a much better reputation if all guess mitre-cutters were respectably interred.

Some of these wood-mutilators in this neighborhood never served a day at a trade, and are as ignorant of the use of mechanics' tools as a Feejee Islander is of the planetary motions; but they have brass and impudence enough to persuade people that they, the "guess men," are master mechanics; and these men will often undertake to do work, on the shortest notice, that experienced mechanics will hesitate about before taking in hand; but we are told on good authority that :

"fools rush in  
Where angels fear to tread."

It is quite evident that such men work for gain altogether, and have no pride in the trade or desire to become skilled, only so far as it may tend to fill their pockets; but there is something wrong when men without tools and without training are permitted to compete with skilled mechanics who have spent hundreds of dollars in tools and time in acquiring the skill they possess; in fact, it is a question whether it is worth while to learn a

trade or not, as it appears to me that the unskilled stands a better chance of making a living than the man who fritters away his best days in learning a trade the public refuse to appreciate.

APPRENTICE.

HAMMOND, Wis., March 17, 1879.

#### *Editor of the Illustrated Wood-Worker :*

YOUR elegant little paper has just come to hand, and I am delighted with it. The designs of furniture shown in the February and March numbers are excellent. I intend making a sideboard from the design shown on Plate 19, which I think is a very scholarly piece of work. The wardrobe shown on Plate 24 is a perfect gem of simplicity and appropriateness, and when I get time I will put Mr. Fieder's idea of a wardrobe into tangible shape.

I herewith tender my thanks to the gentleman named for the design, as I am the person who asked for it under the name of

NED.

WACO, Texas, March 12, 1879.

[For want of space we are obliged to hold over a number of interesting communications.—Ed.]

### Intercommunication.

This department is intended to furnish, for the benefit of all our readers, practical information regarding the art of manipulating wood by hand or machinery; and we trust that every reader of our paper will make the fullest use of it, both in asking and answering. All persons possessing additional or more correct information than that which is given relating to the queries published, are cordially invited to forward it to us for publication. All questions will be numbered, and in replying it will be absolutely necessary, in order to secure due insertion, that the NUMBER and TITLE of the question answered should be given; and in sending questions, the title of key-words of the question should be placed at the head of the paper. Correspondents should in all cases send their addresses, not necessarily for publication, but for future reference. We also request that all questions or answers be written on separate slips of paper, and addressed to the Editor. Notes of practical interest will be welcome at all times. When drawings are sent to illustrate answers to questions, or for full pages, they should be on separate slips, and should be drawn in ink on clean, white paper. Short questions, requiring short answers, may be asked and answered through the agency of postal cards.

When answers to questions are wanted by mail, the querist must send a stamp for return postage.

### Queries.

18. MIRROR.—Can any of your readers acquaint me with some method whereby I can recoat a mirror that has had a portion of the silvering taken off? Information on this subject will be appreciated by—JOHN HEALT.

19. BENCH.—I would like very much if some reader would send you, for illustration in the *WOOD-WORKER*, a design for a handy and complete joiner's work-bench. I would like it fitted up with head and tail-screws.—GOUGE.

20. RAILING.—Would some of your clever readers be kind enough to publish a design for a wooden railing to go round a grave? I